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"RADIANT DEVICE"

The present invention relates to a radiant device comprising the features listed in the preamble of claim 1.

Namely, the present description will refer in particular to radiant devices used for heating surfaces and/or rooms, without limiting in any way the application of the present invention to lighting devices or radiant devices of other type, which are designed to emit energy on wavelengths that can be in the visible field, for instance through halogen lamps, in the infrared field or in the ultraviolet field.

It is known about heating devices operating by radiation, which use as hot source a lamp supplied with electric current. <INSERT PAGE 1a>

Whatever the type of lamp used, in the devices according to the prior art the lamp is fitted into a housing frame comprising electrical connections that supply the lamp and connect it to the frame.

Due to the high operating temperature of such lamps, in order to prevent electrical connections from getting damaged or anyhow not to endanger their yield, the latter are made of materials with a good resistance to high temperatures and a low coefficient of heat transmission.

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One of this devices is known from documents US6654549 and WO01/41507 disclosing an heating apparatus using an infrared ray lamp. The lamp has a structure wherein a groove is formed in the vicinity of each of both end portions of a substantially plate heating element and the end portion of the heating element is inserted into a slit formed at the end portion of a heat-emitting block, so as to be sandwiched.

It is also known from document FR1381506 an infra-red heater which comprises an helical element in a quartz tube. The tube is cushioned by three layers of glass wool inter-posed between the tube and brass end ferrules by which it is supported, and to which connections are made.